



E. I. DU PONT DE NEMOURS & COMPANY
INCORPORATED
WILMINGTON, DELAWARE 19898

POLYMER PRODUCTS DEPARTMENT
EXPERIMENTAL STATION

PERSONAL AND CONFIDENTIAL

cc: A. J. Dahl - 353
B. W. Karrh - N11400
L. J. Papa - 269
Pral File
I.C.

Complainant's
Exhibit No. **58**

July 24, 1981


DR. D. O. INSLEE
SPRUANCE TEXTILE FIBERS
RICHMOND, VA

ANALYSIS OF BLOOD SAMPLES FOR PERFLUOROOCTANOATE
(Job No. 811-601; PRAL Nos. 81-2958-2959; Notebook Nos. E22514, E26238)

As requested in your letter of 7/20/81 to L. J. Papa, the 2 blood samples submitted then have been analyzed for perfluorooctanoate (C₈). Results and sample identification are given in the attached table.

As noted there, the analyses were done using a gas chromatographic method specific for C₈ (Lab Method Number ES-567) but results have been reported as ppm F for comparison with total organic fluorine analyses. Precision is $\pm 10\%$ relative standard deviation over most of the concentration range, somewhat less at the lowest values. The lower limit for quantitation is 0.007 ppm F (0.01 ppm perfluorooctanoic acid), with a detection limit of ~ 0.004 ppm which can be distinguished from the reagent background but not well quantitated.

Please contact me (772-4440) or L. J. Papa (772-2745) if you have any questions regarding the analyses. General questions on blood sampling can be directed to J. W. Raines or L. F. Percival.


S. S. Stafford

Attachment
jah

Key Words:
Perfluorooctanoic Acid
Perfluorooctanoate
Blood Analysis
GC

There's a world of things we're doing something about

EXP000044
EID713858



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July 28, 1981

DR. W. J. REINHARD
F&F
FAIRFIELD, CT.

ANALYSIS OF BLOOD SAMPLES FOR PERFLUOROOCTANOATE
(Job No. 811-595; PRAL No. 81-2957; Notebook Nos. E22514, E26238)

As requested in your letter of 7/20/81 to L. J. Papa, the blood sample listed below has been analyzed for perfluorooctanoate.

<u>Sample</u>				<u>GC Analysis</u>	
<u>PRAL No.</u>	<u>Date Sampled</u>	<u>S.S. No.</u>	<u>Name</u>	<u>Date Analyzed</u>	<u>[Cg], ug F/g bi</u>
81-2957	6/29/81			7/14/81	0.17

The analysis was done as for the samples reported to you previously (5/20/81), using a gas chromatographic method specific for C₈ (Lab Method No. LS-567) but with the result given in ppm F for comparison with total organic fluorine analyses. Precision is $\pm 10\%$ relative standard deviation over most of the concentration range, somewhat less at the lowest values. The lower limit for quantitation is 0.007 ppm F (0.01 ppm perfluorooctanoic acid), with a detection limit of ~ 0.004 ppm which can be distinguished from the reagent background but not well quantitated.

Please contact me (772-4440) or L. J. Papa (772-2745) if you have any questions regarding the analyses. General questions on blood sampling can be directed to J. W. Raines or L. F. Percival.

jah

Key Words:

Perfluorooctanoate
Perfluorooctanoic acid
Blood Analysis
GC

S. S. Stafford
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REDACTED EXP000046
EID713860